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February 19, 2003

02-RF-00317

Mr Richard DiSalvo  
Environmental, Safety and Health  
Compliance and Restoration  
DOE, RFFO

**TRANSMITTAL OF THE FINAL HUMAN HEALTH RISK ASSESSMENT FOR THE  
SOLAR EVAPORATION PONDS – JLB-013-03**

Enclosed are 2 copies of the Final Human Health Risk Assessment for the Solar Evaporation Ponds (SEP) including additions to Appendices A and C and responses to comments. With your approval, we would like to forward an advance copy of these documents electronically to the regulatory agencies for a quick look by them to assure that we have addressed their issues. Following their quick look, we will forward the entire final document incorporated into the SEP final PAM to you for submittal to the agencies. Highlights of the changes in this version of the risk assessment are as follows:

- The document was revised for clarity and correctness
- Power calculations and results were fully revised and explained
- Distributional testing was conducted as agreed using a single test for normality and lognormality
- Maximum concentrations for all liner COCs were used to calculate risk without comparison to background or any distributional testing
- An evaluation of the Bootstrap analysis using Am-241 was conducted to demonstrate adequacy of using 1000 iterations
- Responses were completed for all CDPHE and EPA comments
- A table of contents was added to Appendix A
- The appendices data were checked and corrected as necessary
- Tables for non-ALF analytes were moved to Appendix A
- Tables of background data were added to Appendix A
- Appendix C risk tables were revised
- The Uncertainties and Limitations section was amended to include a discussion of those factors and assumptions that could potentially increase risk



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1A-A-001773

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- Discussions of geostatistical analyses and technical difficulties associated with lognormal statistics were largely deleted from the report
- Ecological discussion was deleted from the report

If you have questions, please do not hesitate to call me at extension 5254



J Lane Butler  
Manager, Environmental Restoration Programs

JLB dm

Orig and 1 cc – Richard DiSalvo  
cc Norma Castaneda

Enclosures  
As Stated